

03/12/02
2002079960



162162

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
10 January 2002 (10.01.2002)

PCT

(10) International Publication Number
WO 02/02717 A3

- (51) International Patent Classification⁷: C09K 19/38, (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, C08K 11/00, C08L 67/00, C09K 19/52 AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
- (21) International Application Number: PCT/US01/21267
- (22) International Filing Date: 5 July 2001 (05.07.2001)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/215,813 5 July 2000 (05.07.2000) US
60/215,814 5 July 2000 (05.07.2000) US
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- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report:
25 April 2002
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 02/02717 A3

(54) Title: HIGH TRACKING INDEX LIQUID CRYSTALLINE POLYMERS AND RELATED APPLICATIONS

(57) Abstract: Excellent tracking index as well as flame-resistant properties are achieved with other desirable characteristics of LCPs in a resin composition consisting essentially of: a) a wholly aromatic polyester which is melt processible and which displays anisotropy in the molten state; b) a non-conductive filler material having a diameter of less than about 3 μ m, with said non-conductive filler material being present in an amount sufficient to increase the comparative tracking index (CTI) rating of said composition to above 220 volts and render the composition non-burning. Optionally, an extraordinarily small amount of non-volatile fluorescent brightener can be added to the resin composition. In combination with the non-conductive filler, the fluorescent brightener is found to surprisingly and significantly improve the flame-retardant property of the resin.



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